NGUYEN TUNG

Mobile: (+84)969200308 ◇ Hanoi, Vietnam

tungnguyen99.tn@gmail.com ◇ github.com/tungedng2710 ◇ linkedin.com/in/tungedng2710

EDUCATION

Hanoi University of Science and Technology 09/2023 − 12/2025
Master of Science in Applied Mathematics and Informatics

Hanoi University of Science and Technology 09/2017 − 05/2022
Degree of Engineer in Applied Mathematics and Informatics
Type of Degree: Very Good
Cumulative GPA (CPA): 3.46/4.0

Chu Van An National High School 09/2014 − 05/2017
High school diploma

SKILLS

Research Interests	Computer Vision, Generative AI, Reinforcement Learning
Technical Skills	
Programming Languages	Python, C#, C/C++, MATLAB
Frameworks	PyTorch, TensorFlow, MLFlow
Tools	Docker, Git, Label Studio, Roboflow, N8N, Dify, Ollama, vLLM, Copilot, Gemini.
Soft Skills	Leadership, Teamwork, Presentation, Scrum.

WORK EXPERIENCE

AI Engineer, **Viettel Solutions Corp.**, Full-time 03/2022 − Present

- Intelligent Document Processing: Research on Layout Analysis, Table Extraction, Vision Language Models
- Apply Segment Anything model and LLMs to Scene change detection problem.
- MLOPs project: Build automated data annotation pipelines for Computer Vision projects.
- Build data processing pipeline for license plate recognition project. Deploy license plate recognition pipeline with Triton serving. Research and develop traffic violation behaviours recognition features
- Research semantic segmentation on satellite images.
- Research and developed speech enhancement models for Viettel Meeting Platform.
- Research facial expression and face detection models.

Research Consultant, **WorldQuant BRAIN**, Part-time 03/2025 − Present

- Research financial alphas and simulate on WorldQuant BRAIN platform

AI Research Intern, **Grooo International Jsc.**, Part-time 10/2021 − 03/2022

- Research face processing problems, object tracking models.
- Participate in camera monitor system project.

Data Scientist Intern, **PIXTA Vietnam Co. Ltd.**, Part-time 12/2020 − 06/2021

- Research facial expression recognition and multitask learning.
- Research face recognition models.
- Annotate and visualize image datasets.

AI Engineer Intern, **Techainer Jsc**, Part-time 8/2020 − 10/2020

- Do eKYC for Vietnamese ID cards.

AWARDS

Tuổi trẻ sáng tạo toàn quốc awarded by Ho Chi Minh Communist Youth Union   2025.

SAMI Scholarship awarded by business partners of
School of Applied Mathematics and Informatics, HUST   Academic years 2019-2020, 2020-2021.

PUBLICATIONS

VPHQA: Vietnamese Pregnancy Health Question Answering dataset, EAI INISCOM 2025. DOI 10.1007/978-3-032-02362-9_13.

Chatbot and Reproductive Health for Minority Women, AI4SDF 2025.

The Solution of Computer Vision for Combating Covid-19, Computational Intelligence Techniques for Green Smart Cities, Springer, 2021. DOI: 10.1007/978-3-030-96429-0_9.

PERSONAL PROJECTS

dMOM Chatbot

- Medical Chatbot for dMOM Project (sponsored by PHAD, Ministry of Health)
- Finetune LLM, build RAG pipeline.
- build a simple webapp

AI-Traffic-Analysis

- Project page: https://github.com/tungedng2710/AI-Traffic-Analysis
- Train detection and OCR models
- Build analysis service: vehicle detection, tracking, plate detection, OCR
- Build webapp for demo

eKYC: Vietnamese ID Card Recognition

- Annotate dataset
- Research and implement some object detector for card alignment problem
- Use some trained models for text detection and doing OCR.

CERTIFICATIONS

Quant Finance Explorer Program'24, WorldQuant	11/2024
Google Advanced Data Analytics, Google	08/2024
Google Project Management, Google	08/2024
Google AI Essential, Google	08/2024
IELTS Academic, British Council, Overall score: 6.0	05/2023

ACTIVITIES

Mentoring Research Competition for high school students   2023, 2024, 2025

Extra-class Assistant at the SAMI (HUST) study support club $01/2018 - 08/2018$

Volunteer at the SAMI (HUST) Volunteer organization $10/2017 - 08/2018$